

## **DRMO to GENERATOR COMMUNICATIONS INTERFACE STANDARD 2.0.0**

### **BACKGROUND:**

GenComm is composed of two parts: GenComm enables the Generating Activity to communicate with the DRMO; DRMOGen enables the DRMO to communicate with the Generator.

### **GENERATOR COMMUNICATIONS – GENCOMM:**

GenComm basically serves as an interpreter, allowing DRMS to read automated data submitted from the generator's system, which meets the standard set forth in this document. Data can be submitted in bar delimited format or in XML.

GenComm allows for the electronic transfer of the Waste Profile Sheet (WPS, DRMS 1930) and the Disposal Turn-In Document (DTID, DD-1348-1A) data. This data is transferred to the GenComm Server. The data is scanned for viruses, and then transferred to the appropriate DAISY HP. Within the hour, the data is available in SHIP, and a Due In Report can be generated. The following day, it is available in DAISY.

The DTID data is stored in DAISY and SHIP, pending receipt. When the DRMO receiver, enters the DTID number into DAISY, the receipt screen will be populated with the data received. Following receipt in DAISY, the DTID will be dropped from the Due In Report.

SHIP transfers data for all items in the Ultimate Disposal cycle to BOSS. This pre-fills most of the required data fields, based on a hierarchy.

### **DRMO to GENERATOR COMMUNICATIONS - DRMOGEN:**

DRMOGen provides audit trail information from SHIP and BOSS back to the Generator system. When a GenComm file is received, a link is created in SHIP, showing that the DTID was received electronically. As the DTID moves through the Ultimate Disposal process, updates on the status of the property and the Pickup Manifest data are saved to the SHIP database. Once a day, SHIP generates a DRMOGen file with the updated information. All records for that DoDAAC are included in the file (updates are provided from the time the record moves into the Ultimate Disposal Cycle, until for 150 days after it is picked up).

The DRMOGen file will be mailed to the Generating Activity. Requests should be mailed to: DRMS [SHIP-HQ@mail.drms.dla.mil](mailto:SHIP-HQ@mail.drms.dla.mil)  
Include in the e-mail:

- DoDAAC
- E-mail addresses for each person who needs the file.

## **WHY DRMOGEN?**

- Generator systems can use the data to update the record status within their system (U-BANGS & HMMS)
- Provides audit trail information back to the generator.
- Provides data needed for reporting purposes.
- Decrease paper handling.
- First step on the road to a paperless environment.

## **HOW DOES IT WORK?**

- DRMS will generate the file daily, overwriting the old file. The file name will consist of the Generator DoDAAC and the DRMO Location Code. Example: W45N7V.4J
- File will be e-mailed to the generator when the following information is provided:
  - DoDAAC
  - E-mail address for personnel or system receiving the file.

## **FILE FORMAT FOR DRMO to GENERATOR COMMUNICATIONS (Final Version DRMOGEN 2.0.0, 6/18/2000)**

Initially, the capability to electronically provide the Generator with information about hazardous waste turn-in will be limited to the following data; Delivery Order Information (DO) and Pickup Manifest Information (PMF).

The basic structure for communicating this data is to use sections and subsections in a text file. The record format for each text line is determined by a combination of its sequence in the outline and its first field.

### **STRUCTURE:**

1. The required outline is as follows:

1. File Header
2. DO Section

1.1 Each DO section is outlined as follows:

1. DO Section Header
2. DO Section Record(s)
3. DO Section Trailer

1.2.1 Each PMF Section is outlined as follows:

1. PMF Section Header
2. PMF Section(s), if any
3. PMF Section Trailer

1.2.2 Each EPA Waste Code Subsection is outlined as follows:

1. EPA Waste Code Section Header
2. EPA Waste Code Record(s)
3. EPA Waste Code Section Trailer.

1.2.3 Each EPA Handling Code Subsection is outlined as follows:

1. EPA Handling Code Subsection Header
2. EPA Handling Code Record(s)
3. EPA Handling Code Subsection Trailer.

1.2.4 Each Transportation Data Subsection is outlined as follows:

1. Transportation Data Subsection Header
2. Transportation Data Record(s)
4. Transportation Data Subsection Trailer.

1.2.5 Each Container Data Section is outlined as follows:

1. Container Data Section Header
2. Container Data Record(s)
3. Container Data Section Trailer.

**NOTES:**

1. Fields are restricted to (a maximum of) the length indicated, unless noted as variable (V).
2. Fields will be delimited by the pipe symbol ("|") in the bar delimited files. However, there will not be a trailing pipe ("|").
3. Records will be delimited by the carriage return <CR>, technically stored as the carriage return line feed (LF) combination. This will be represented as End of Record Indicator in the record formats.
4. At the end of any record there are three options:
  - a. Continue with the next record.
  - b. Terminate the section or subsection with its trailer and start a new section or subsection.
  - c. Terminate the section or subsection with its trailer and quit (End of file).

**THE FOLLOWING CODES ARE USED IN DEFINING RECORD FORMATS:**

Mandatory (M)                      Alpha (A)  
Optional (O)                        Numeric (N)  
Alpha/Numeric (A/N)

**THE FOLLOWING IS THE FORMAT OF A FILE HEADER:**

| M/O | Field Name              | Field Type | Field Length | Example, Format, or Style  |
|-----|-------------------------|------------|--------------|--|
| M   | DoDAAC                  | A/N        | 6            | The Generator DoDAAC i.e. FB2020                                   |
| M   | Date                    | N          | 7            | Julian date the file was created i.e. 2004332                      |
| M   | Time                    | N          | 4            | In the format HHMM   |
| M   | Form Version            | A/N        | 5            | DRMS DRMOGEN File Format version Number (currently 1.0.0)          |
| M   | DRMO RIC                | A/N        | 4            | DRMO RIC and Suffix  |
| M   | Form Version            | A/N        | V            | SHIP Software Release Version Number (currently version SHIP 6.18) |
| M   | End of Record Indicator |            |              |  |

**THE FOLLOWING IS A FORMAT FOR THE DO SECTION HEADER:**

| M/O | Field Name              | Field Type | Field Length | Example, Format, or Style   |
|-----|-------------------------|------------|--------------|-----------------------------|
| M   | DO Section Header       | A/N        | 11           | A constant of "beg_do_sect" |
| M   | End of Record Indicator |            |              |                             |

**THE FOLLOWING IS THE FORMAT FOR A DO RECORD:**

| M/O | Field Name                              | Field Type | Field Length | Example, Format, or Style  | SHIP Table field name |
|-----|---|------------|--------------|--|-----------------------|
| M   | Disposal Turn In Document (DTID) Number | A/N        | 15           | W25G1V91250025   | DTID_NO               |
| M   | DRMS Status Code                        | A/N        | 1            | "D" = Received by the DRMO<br>"E" = DO Requested "G" = DO Issued<br>"M" = Partial Pickup "Z" = Complete Pickup |                       |
| M   | Quantity of hazardous waste on the DTID | N          | 6            |  | QTY                   |
| M   | Unit of measure of hazardous waste      | A/N        | 2            | LB   | UM                    |
| O   | Total Disposal Cost                     | N          | 20           | 1.24   | TOT_DSPSL_C           |
| O   | Price per unit for disposal of HW       | N          | 5.2          | 00000.01   | UP                    |
| O   | BOSS Document Number                    | A/N        | 8            | 91250001   | DOCNO                 |
| O   | Customer Identifier (Used for           | A/N        | 4            | DOR1   | CUST_CD               |

|   |   |     |    |               |            |
|---|---|-----|----|---------------|------------|
|   | grouping DTIDs into a delivery order request) |     |    |               |            |
| O | Contract Number                               | A/N | 13 | SP440099D0023 | CONTR_NO   |
| O | Delivery Order Number                         | A/N | 4  | 0002          | DLVRY_ORDR |
| O | Contract(DO) Line Item Number CLIN            | A/N | 4  | 0002          |            |
| O | DRMS HIN Hazardous Identification Number      | A/N | 6  | 9102RR        | DRMS_HIN   |
| M | End of Record indicator                       |     |    |               |            |

**THE FOLLOWING IS THE FORMAT FOR THE DO SECTION TRAILER:**

| M/O | Field Name              | Field Type | Field Length | Example, Format, or Style   |
|-----|-------------------------|------------|--------------|-----------------------------|
| M   | DO Section Trailer      | A/N        | 12           | A constant of "end_do_sect" |
| M   | End of Record Indicator |            |              |                             |

**THE FOLLOWING IS A FORMAT FOR THE PMF SECTION HEADER:**

| M/O | Field Name              | Field Type | Field Length | Example, Format, or Style    |
|-----|-------------------------|------------|--------------|------------------------------|
| M   | PMF Section Header      | A/N        | 12           | A constant of "beg_pmf_sect" |
| M   | End of Record Indicator |            |              |                              |

**THE FOLLOWING IS THE FORMAT FOR A PMF RECORD:**

| M/O | Description   | Field Type | Field Length | Example, Format, or Style | SHIP Table field name |
|-----|---|------------|--------------|---------------------------|-----------------------|
| M   | Disposal Turn In Document (DTID) Number                         | A/N        | 15           | W25G1V9124000 1           | DTID_NO               |
| M   | BOSS Document Number  | A/N        | 8            | 9128023                   | DOCNO                 |
| M   | Designated TSDF EPA ID number                                   | A/N        | 12           | CAD123456789              | DSG_TSDF_E            |
| M   | Manifest Document number  | A/N        | 5            | 98A01                     | MFST_DOC_N            |
| O   | Manifest Page number  | A/N        | 2            | 1                         | MFST_PAGE             |
| O   | Manifest Line number  | A/N        | 1            | A                         | MFST_LINE             |
| O   | Number of Containers  | N          | 4            |                           | NUM_CNTRS             |
| O   | Container Type  | A/N        | 2            | DM, CF, TT                | CNTR_TYP              |
| M   | Quantity of hazardous waste Picked up                           | N          | 6            |                           | QTY                   |
| M   | Unit of measure of hazardous waste                              | A/N        | 2            | LB, KG, GL, EA            | UM                    |
| O   | Date items were received by the first transporter (pickup date) | D          | 7            | YYYYDDD Julian Date       | RECP_DATE             |

|   |   |     |   |                     |            |
|---|---|-----|---|---------------------|------------|
| O | Date the "comeback" copy of the Pickup Manifest was received from the Contractor            | D   | 7 | YYYYDDD Julian Date | RETRN_DATE |
| O | State manifest number   | A/N | 8 |                     | STATE_MFST |
| O | Date the Manifest arrives at the Transfer, Storage or Disposal Facility (TSDf Receipt Date) | D   | 7 | YYYYDDD Julian Date | TSDf_RECP_ |
| M | End of Record Indicator   |     |   |                     |            |

**THE FOLLOWING IS THE FORMAT FOR THE EPA WASTE CODE HEADER:**

| M/O | Field Name                       | Field Type | Field Length | Example, Format, or Style    |
|-----|----------------------------------|------------|--------------|------------------------------|
| M   | EPA Waste Code Subsection Header | A/N        | 13           | A constant of "beg_epa_sect" |
| M   | End of Record Indicator          |            |              |                              |

**THE FOLLOWING IS THE FORMAT FOR THE EPA WASTE CODE:**

| M/O | Description                             | Field Type | Field Length | Example, Format, or Style   | SHIP table field name |
|-----|---|------------|--------------|---|-----------------------|
| M   | Disposal Turn In Document (DTID) Number | A/N        | 15           | W25G1V91240001  | DTID_NO               |
| M   | BOSS Document Number                    | A/N        | 8            | 9128023   | DOCNO                 |
| M   | Manifest Document number                | A/N        | 5            | 98A01   | MFST_DOC_N            |
| M   | EPA Waste Code                          | A/N        | 4            | D001, NONE, F005  | EPA_HAZ_WS            |
| M   | Sequence Number                         | N          |              | 1 = first waste code 2 = second waste code<br><br>3 = third waste code<br><br>etc | SEQ_NO                |
| M   | End of record indicator                 |            |              |   |                       |

**THE FOLLOWING IS THE FORMAT FOR THE EPA WASTE CODE TRAILER:**

| M/O | Field Name                        | Field Type | Field Length | Example, Format, or Style    |
|-----|-----------------------------------|------------|--------------|------------------------------|
| M   | EPA Waste Code Subsection Trailer | A/N        | 13           | A constant of "end_epa_sect" |
| M   | End of Record Indicator           |            |              |                              |

**THE FOLLOWING IS THE FORMAT FOR THE EPA HANDLING CODE HEADER:**

| M/O | Field Name                          | Field Type | Field Length | Example, Format, or Style     |
|-----|-------------------------------------|------------|--------------|-------------------------------|
| M   | EPA Handling Code Subsection Header | A/N        | 14           | A constant of "beg_hndl_sect" |
| M   | End of Record Indicator             |            |              |                               |

**THE FOLLOWING IS THE FORMAT FOR THE EPA HANDLING CODE:**

| M/O | Description                                     | Field Type | Field Length | Example, Format, or Style  | SHIP table Name |
|-----|---|------------|--------------|--|-----------------|
| M   | Disposal Turn In Document (DTID) Number         | A/N        | 15           | W25G1V91240001   | DTID_NO         |
| M   | BOSS Document Number                            | A/N        | 8            | 9128023  | DOCNO           |
| M   | Manifest Document number                        | A/N        | 5            | 98A01  | MFST_DOC_N      |
| M   | Three position EPA Handling Code (40 CFR 264/5) | A/N        | 3            | S01, S02, D80, T81   | HDL_CDS         |
| M   | Sequence Number                                 | N          |              | 1 = first handling code 2 = second handling code 3 = third handling code etc | SEQ_NO          |
| M   | End of Record Indicator                         |            |              |  |                 |

**THE FOLLOWING IS THE FORMAT FOR THE EPA HANDLING CODE TRAILER:**

| M/O | Field Name                           | Field Type | Field Length | Example, Format, or Style     |
|-----|--------------------------------------|------------|--------------|-------------------------------|
| M   | EPA Handling Code Subsection Trailer | A/N        | 14           | A constant of "end_hndl_sect" |
| M   | End of Record Indicator              |            |              |                               |

**THE FOLLOWING IS THE FORMAT FOR THE TRANSPORTATION DATA HEADER:**

| M/O | Field Name                       | Field Type | Field Length | Example, Format, or Style     |
|-----|----------------------------------|------------|--------------|-------------------------------|
| M   | Transportation Subsection Header | A/N        | 14           | A constant of "beg_tran_sect" |
| M   | End of Record Indicator          |            |              |                               |

**THE FOLLOWING IS THE FORMAT FOR THE TRANSPORTATION DATA:**

| M/O | Description                             | Field Type | Field Length | Example, Format, or Style  | SHIP table Name |
|-----|---|------------|--------------|--|-----------------|
| M   | Disposal Turn In Document (DTID) Number | A/N        | 15           | W25G1V91240001   | DTID_NO         |
| M   | BOSS Document Number                    | A/N        | 8            | 9128023  | DOCNO           |
| M   | Manifest Document number                | A/N        | 5            | 98A01  | MFST_DOC_N      |
| M   | Transporter EPA Identification number   | A/N        | 12           | CAD123456789   | TNSP_EPA_N      |
| M   | Date items were received by transporter | D          | 7            | YYYYDDD Julian Date  | RECP_DATE       |
| M   | Sequence Number                         | N          |              | 1 = first transporter 2 = second transporter 3 = third transporter etc | SEQ_NO          |
| M   | End of record indicator                 |            |              |  |                 |

**THE FOLLOWING IS THE FORMAT FOR THE TRANSPORTATION DATA TRAILER:**

| M/O | Field Name                        | Field Type | Field Length | Example, Format, or Style     |
|-----|-----------------------------------|------------|--------------|-------------------------------|
| M   | Transportation Subsection Trailer | A/N        | 14           | A constant of "end_tran_sect" |
| M   | End of Record Indicator           |            |              |                               |

**THE FOLLOWING IS A FORMAT FOR THE PMF SECTION TRAILER:**

| M/O | Field Name              | Field Type | Field Length | Example, Format, or Style    |
|-----|-------------------------|------------|--------------|------------------------------|
| M   | PMF Section Trailer     | A/N        | 12           | A constant of "end_pmf_sect" |
| M   | End of Record Indicator |            |              |                              |

**THE FOLLOWING IS THE FORMAT FOR THE CONTAINER DATA HEADER:**

| M/O | Field Name               | Field Type | Field Length | Example, Format, or Style     |
|-----|--------------------------|------------|--------------|-------------------------------|
| M   | Container Section Header | A/N        | 14           | A constant of "beg_cont_sect" |
| M   | End of Record Indicator  |            |              |                               |

**THE FOLLOWING IS THE FORMAT FOR THE CONTAINER DATA:**

| M/O | Description                             | Field Type | Field Length | Example, Format, or Style | SHIP table Name |
|-----|---|------------|--------------|---------------------------|-----------------|
| M   | Disposal Turn In Document (DTID) Number | A/N        | 15           | W25G1V91240001            | DTID_NO         |
| M   | Container Number                        | A/N        | 15           | W25G1K000100001           |                 |
| O   | Container Quantity                      | N          | 6            | 123456                    |                 |
| O   | Site Location                           | A/N        | 2            | Z#                        |                 |
| O   | Location                                | A/N        | 9            | H010201A0                 |                 |
| M   | End of record indicator                 |            |              |                           |                 |

**THE FOLLOWING IS THE FORMAT FOR THE CONTAINER DATA TRAILER:**

| M/O | Field Name                | Field Type | Field Length | Example, Format, or Style     |
|-----|---------------------------|------------|--------------|-------------------------------|
| M   | Container Section Trailer | A/N        | 14           | A constant of "end_cont_sect" |
| M   | End of Record Indicator   |            |              |                               |

